

JOB NO. _____

*) $2 - 2 \times 1 \text{ Rs.}$



(W/ DRYWALL REMOVED)

CADIS 2 Rows
 OF 12x3"
 R.H. Woods
 SCHEWIS W/
 WASHING C
 6400 EA ROW
 STAGG H.H.
 8 TOTAL EA.
 CRIPPLE STAG

CHARCIL COMPOSITE WALL:

$M_{-2} = 2400^H \times 8^{1/2} / 9,200^H$

$$M_{RESIS} = (240 \frac{N}{mm^2} \times 8' + 180 \frac{N}{mm^2} \times 4') \times 6' \times 0.75$$

$$= 11900 \text{ N}$$

$$T_2 = \frac{19,200 - 11,900}{12} \approx 600', 0.4$$

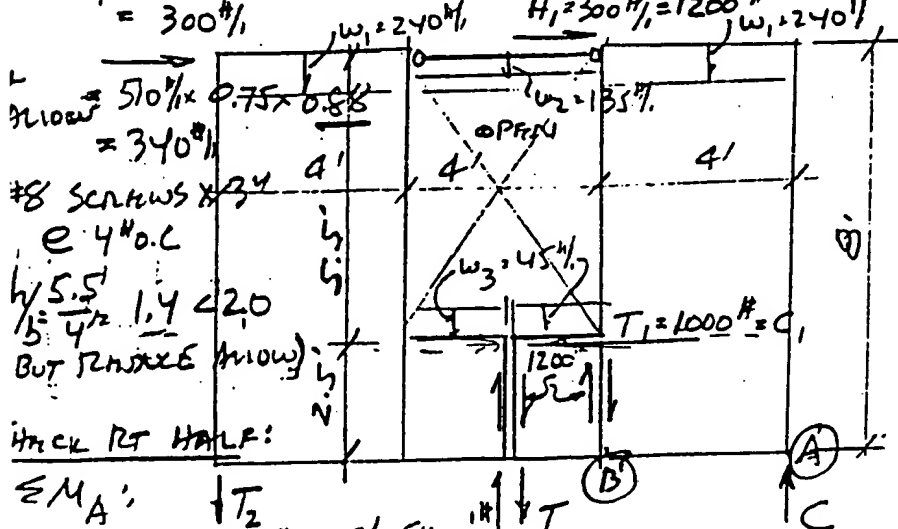
(RESISTION BY CROSS WALL DEAD LOAD) -

$$H_1 = 2400 \frac{\text{L}}{\text{h}} / 2 = 1200 \frac{\text{L}}{\text{h}}$$

$$= 300 \frac{\text{L}}{\text{min}} \quad \text{...}$$

VIEW FROM INSIDE ROOM.

$$H_1 = 300 \text{ H}_2 = 1200 \text{ H}_3 = 400$$



$$M_{OT} = 1200 \text{ lb} \times 8' = 9600$$

$$M_{\text{RESIST}} = (240 \text{ lb} \times \frac{42}{2} + 135 \text{ lb} \times 2' \times 5' + 45 \text{ lb} \times 2' \times 5') \times 0.75 = 2500 \text{ lb-in}$$

$$T = \frac{9600 \text{ lb} - 2800 \text{ lb}}{6'} = 1200 \text{ lb} \quad (\text{RESISTED BY LEAF PANEL}) \quad \text{w/ } \frac{1200}{2.5} = 480 \text{ lb}$$

$W_{arrow} = 660 \text{ lb} \times 0.75 = 500 \text{ lb}$ OK $h/b = 12.5$ OK
 $T = 1200 \text{ lb} \times 2' / 2.5' = 1000 \text{ lb}$ USA CONT. $2 \times 14 \text{ GA}$ W/ #12 SCREWS @ 3" OK
 $1 - 12 \text{ C} \times 1.33 \text{ IN} \times 100 \text{ lb}$ OK